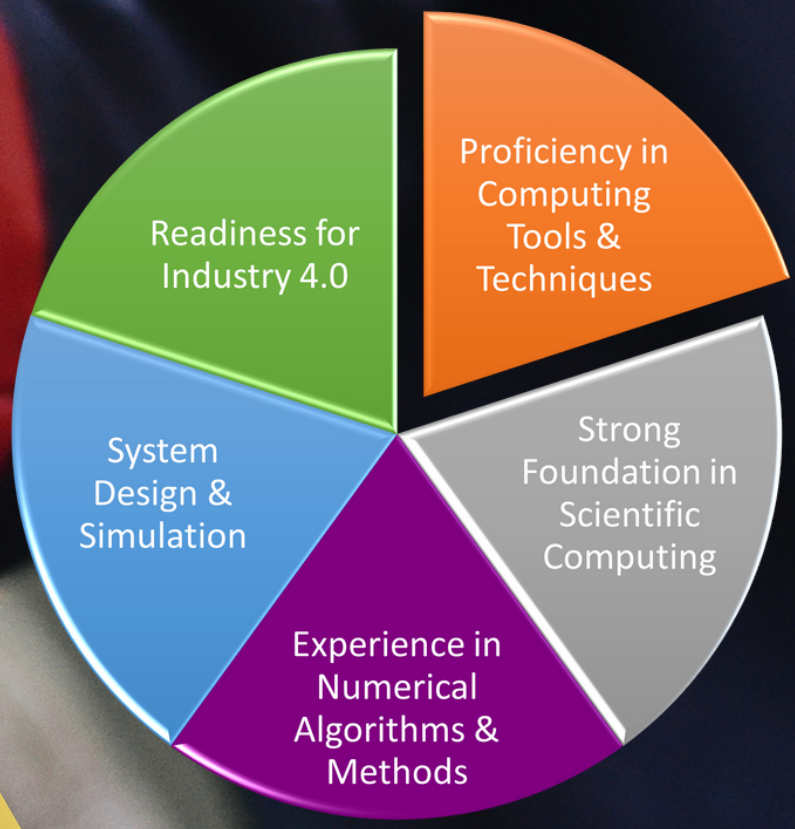
भारतीय सांकेतिक विज्ञान संस्थ हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

India's 1st BTech in Computational Engineering



Aim & Scope

- The course aims to provide a holistic approach that will integrate the principles of engineering disciplines.
- Students of Computational Engineering receive an interdisciplinary education where they gain expertise in state-of-the-art numerical methods and algorithms, modelling and simulations of engineering systems and processes, high-performance computing, process control, and optimization, data analytics, and machine learning.
- In the first five semesters, the student acquires in-depth knowledge in mathematical methods, state-of-the-art numerical techniques, development of mathematical models, computer simulations, optimization, high-performance computing, data analytics, and machine learning.
- In the remaining three semesters, the student can choose from a large number of electives to acquire knowledge that is more specialized. The electives cover a wide variety of subjects covering advanced manufacturing, structural design, process engineering, materials design, chip design and biomedical engineering.

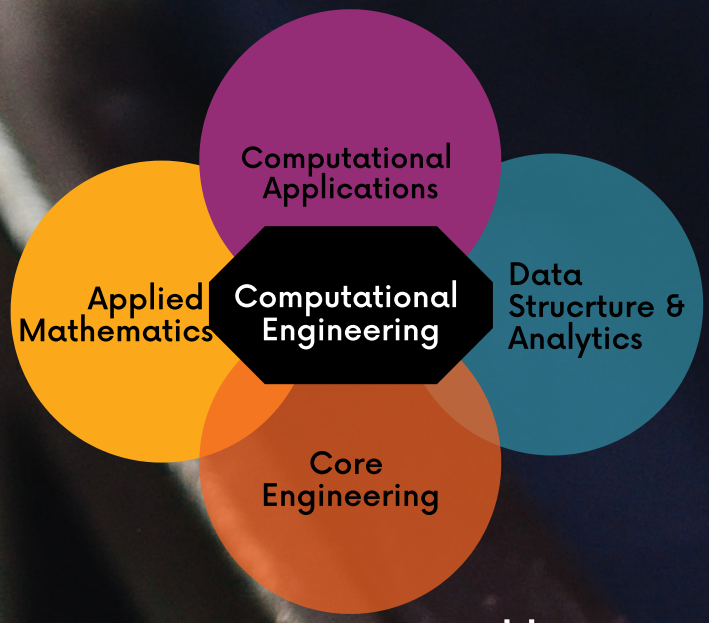
The equations at which we arrive must be such that a person of any nation, by substituting the numerical values of the quantities as measured by his own national units, would obtain a true result.

James Clerk Maxwell

For more details visit: www.iith.ac.in

design: pro@iith

Program Benefits & Future Prospects



Course Core & Calibre

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